Samsung QN75QN900BFXZA

Samsung QN900B Series 75-Inch Neo QLED 8K Smart TV User Manual

Model: QN75QN900BFXZA

1. Introduction

Welcome to the user manual for your Samsung QN900B Series 75-Inch Neo QLED 8K Smart TV. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your television. Please read this manual thoroughly to ensure optimal performance and a complete understanding of your TV's features.



Figure 1.1: Samsung QN900B Series 75-Inch Neo QLED 8K Smart TV.

2. What's in the Box

Before you begin, please check that all the following items are included in your package:

- Samsung QN900B Series 75-Inch Neo QLED 8K Smart TV
- Remote Control
- One Connect Box
- One Connect Cables (0.3m, 2.5m in length)
- Power Cable
- User Manual (this document)

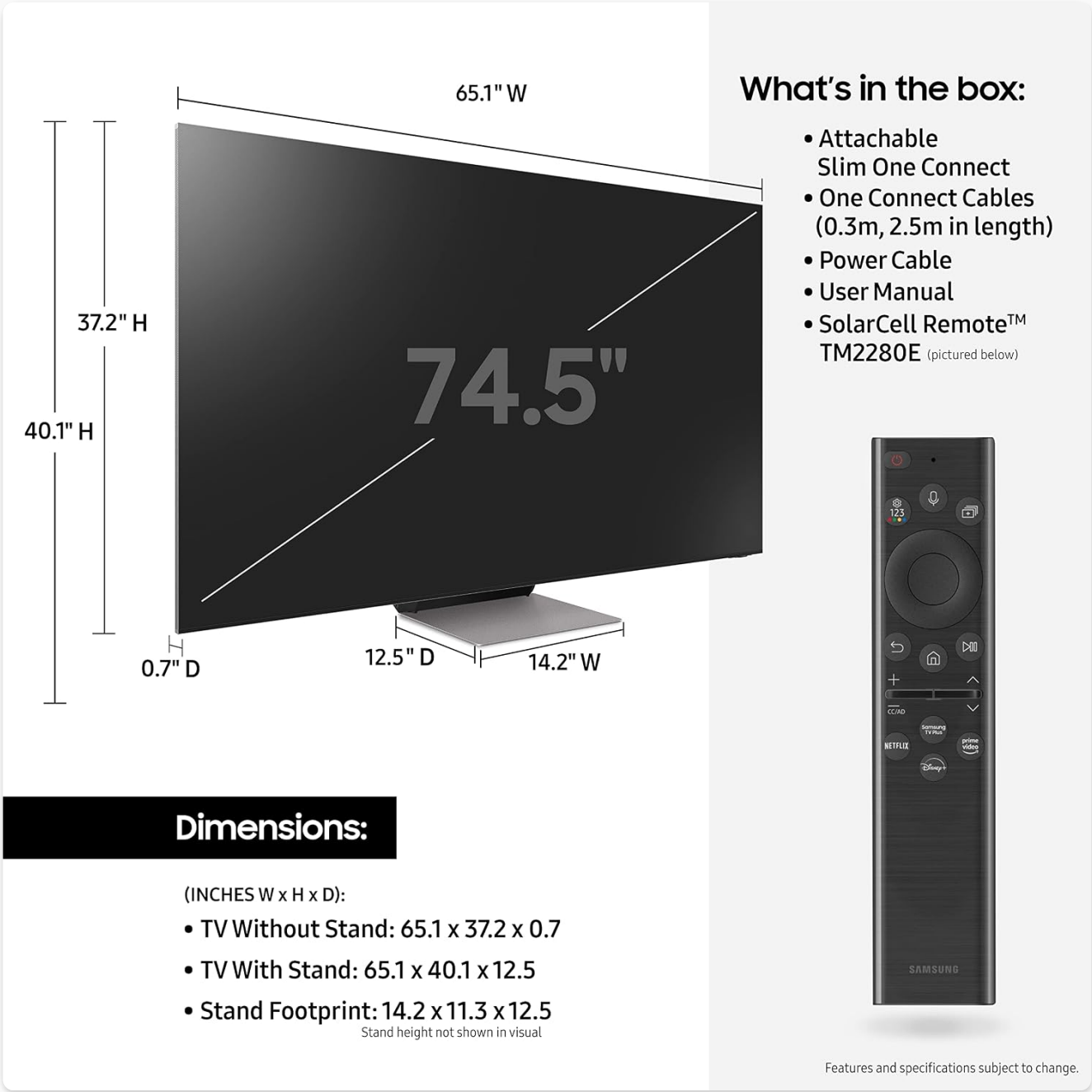


Figure 2.1: Included components and TV dimensions.

3. Setup

3.1 Initial Setup and Voice Assistant Registration

Follow these steps to set up your TV and register your preferred voice assistant:

1. Unpack the TV and place it on a stable surface or mount it securely.
2. Connect the One Connect Box to the TV using the provided One Connect Cable.
3. Plug the power cable into the One Connect Box and then into a power outlet.
4. Turn on the TV using the remote control.
5. Follow the on-screen instructions for initial setup, including network connection and channel scanning.
6. During setup, you will be prompted to select and register a voice assistant (e.g., Amazon Alexa, Bixby, Google Assistant).

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Video 3.1: Guide on how to register Alexa on your Samsung Smart TV.

3.2 Connecting External Components

The Slim One Connect Box simplifies cable management by consolidating all your external device connections. Connect your devices (e.g., gaming consoles, Blu-ray players, soundbars) to the appropriate ports on the One Connect Box.



Figure 3.2: The Slim One Connect Box with various ports.

4. Key Features

The Samsung QN900B Series TV offers advanced technologies for an enhanced viewing and audio experience:

- **Infinity Screen with Slim One Connect:** Enjoy a nearly edge-to-edge display with minimal bezels and a streamlined cable management system.

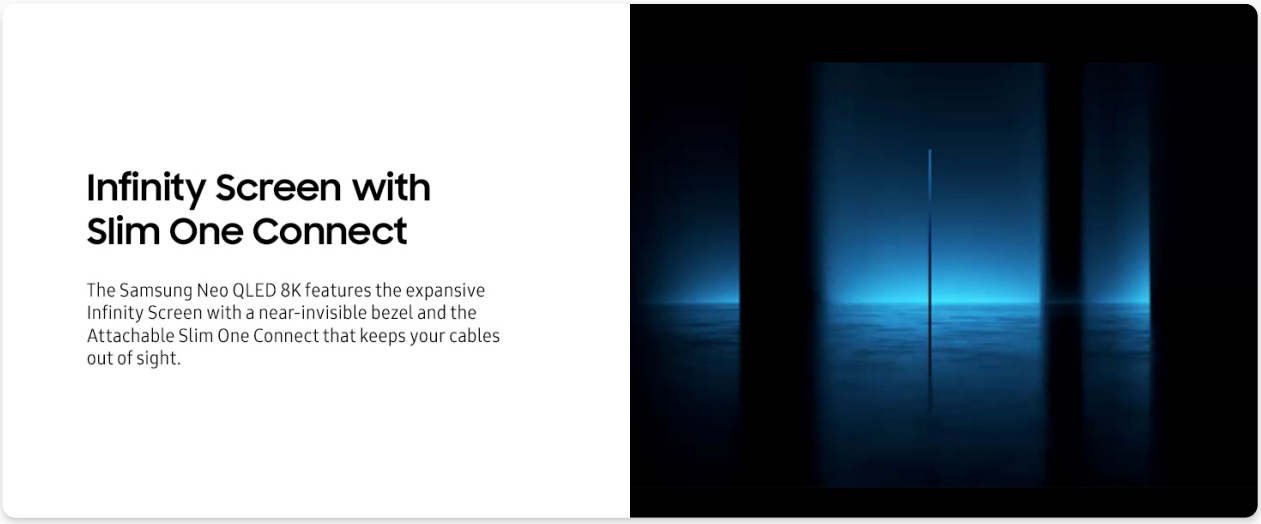


Figure 4.1: The Infinity Screen design.

- **Quantum Matrix Pro with Mini LEDs:** Experience precise light control and intense contrast with a dense array of Quantum Mini LEDs.

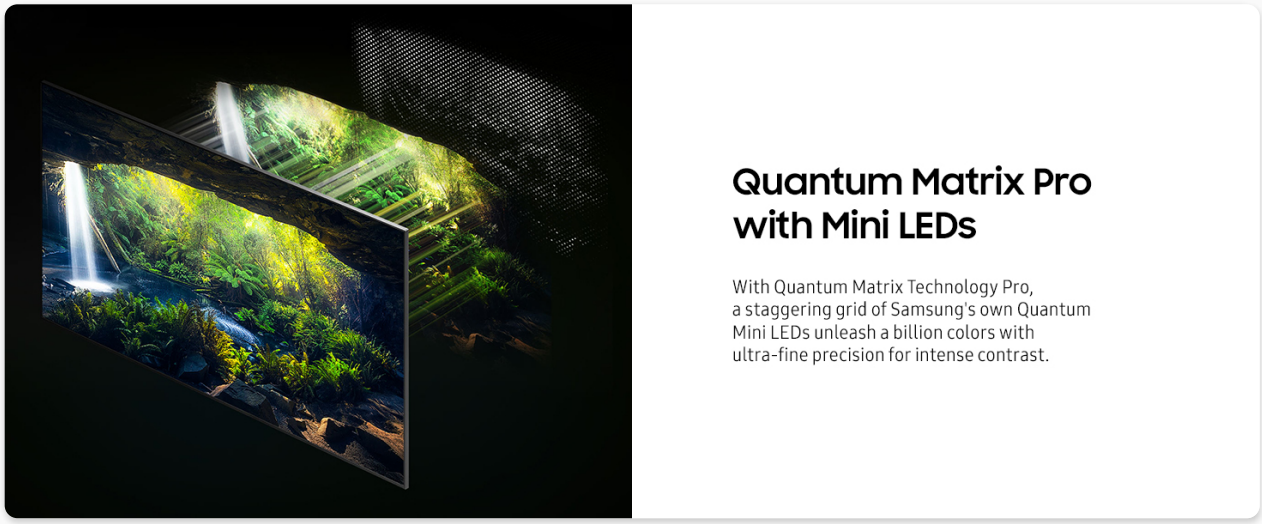


Figure 4.2: Quantum Matrix Pro with Mini LEDs.

- **Neural Quantum Processor 8K:** An advanced 8K processor utilizing 20 neural networks for immersive picture quality, 8K upscaling, and intuitive Smart Hub controls.

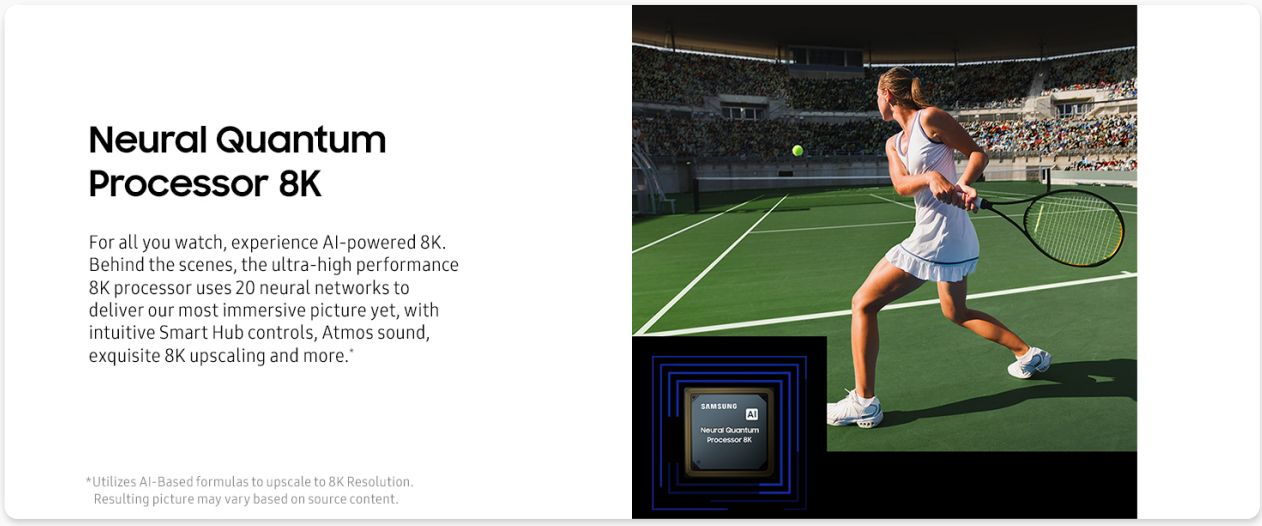


Figure 4.3: Neural Quantum Processor 8K.

- **Quantum HDR 64X:** Delivers an extraordinary range of contrast and lifelike colors for HDR content.

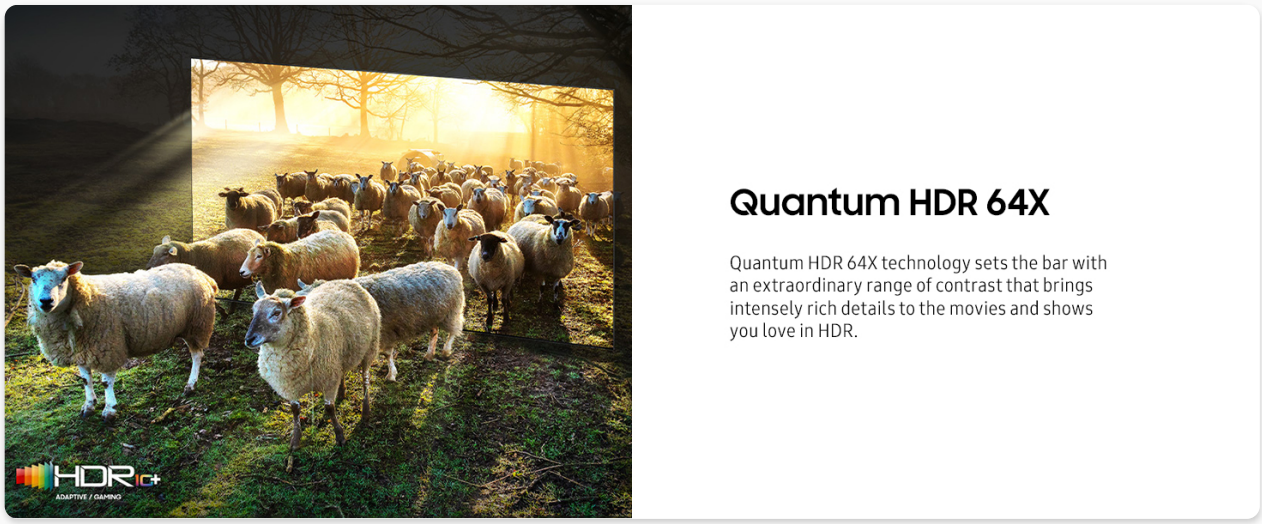


Figure 4.4: Quantum HDR 64X in action.

- **Dolby Atmos & Object Tracking Sound Pro:** Immerse yourself in cinematic surround sound with audio that moves dynamically with the on-screen action.

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Video 4.1: Explanation of Object Tracking Sound Pro technology.

- **Real 8K Resolution with AI Upscaling:** Enjoy content in true 8K detail, with AI-based processing upscaling lower-resolution content to near 8K clarity.

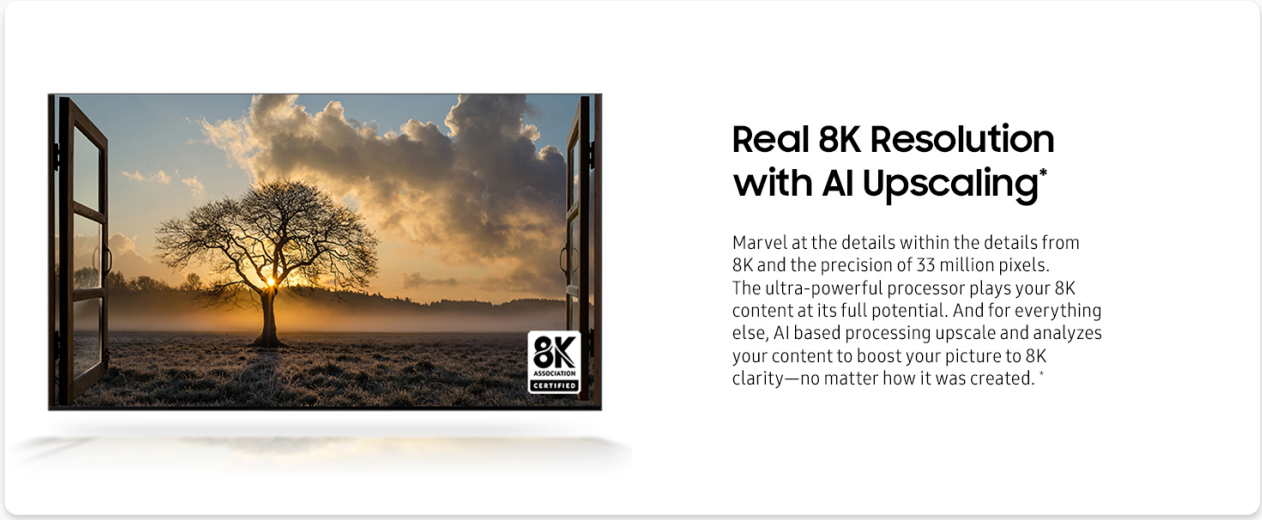


Figure 4.5: Real 8K Resolution with AI Upscaling.

- **Smart TV with Multiple Voice Assistants:** Access your favorite content and control your TV hands-free with built-in Bixby, Amazon Alexa, or Google Assistant.

5. Operating Instructions

5.1 Using Voice Assistants

Your Samsung QN900B TV supports multiple voice assistants for convenient control. Once registered during setup, you can use voice commands to change channels, adjust volume, search for content, and control compatible smart home devices.

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Video 5.1: Demonstration of using multiple voice assistants on Samsung Smart TV.

5.2 Smart Hub Navigation

The Smart Hub provides easy access to streaming apps, live TV, and connected devices. Use your remote control's directional pad to navigate through the Smart Hub interface. Press the Home button to open the Smart Hub.

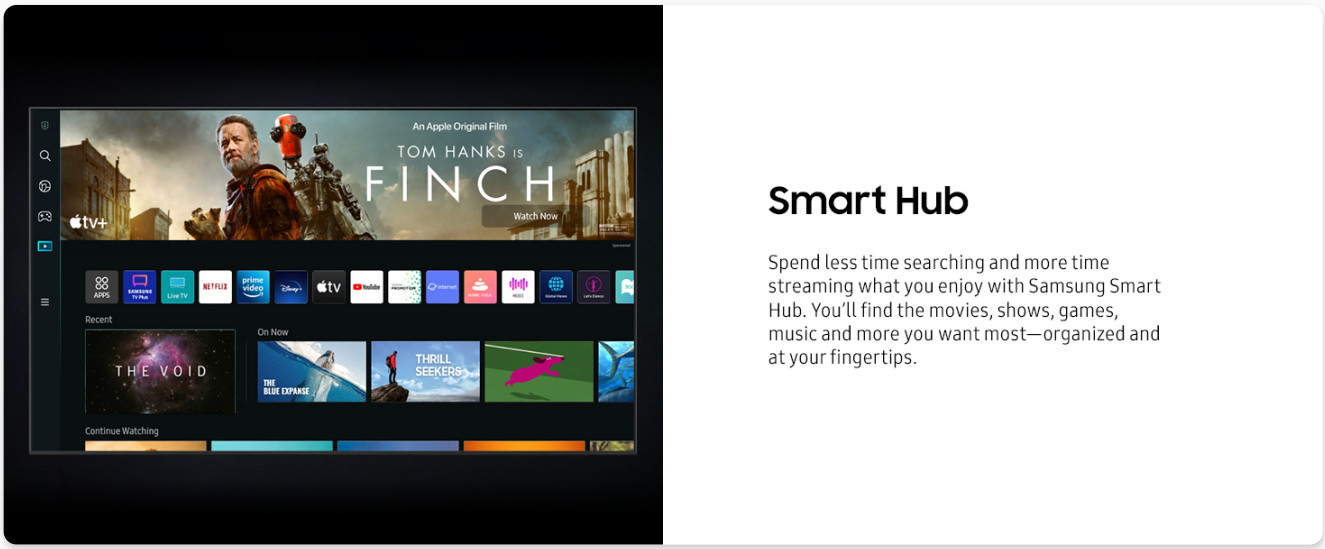


Figure 5.2: Samsung Smart Hub interface.

5.3 Sound Optimization with SpaceFit Sound

Your TV features SpaceFit Sound, which analyzes your room's acoustics to automatically optimize the audio output for the best possible sound experience.

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Video 5.3: Explanation of SpaceFit Sound technology for optimized audio.

6. Maintenance

To ensure the longevity and optimal performance of your Samsung QN900B TV, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, dry microfiber cloth. For stubborn smudges, lightly dampen the cloth with distilled water. Avoid using harsh chemicals or abrasive materials.
- **Cleaning the Frame:** Use a soft, dry cloth to clean the TV frame and stand.
- **Ventilation:** Ensure adequate airflow around the TV by keeping vents clear of obstructions. Do not block the ventilation openings.
- **Power Management:** Unplug the TV from the power outlet during lightning storms or when it will be left unattended for long periods.

7. Troubleshooting

If you encounter issues with your TV, refer to the following common troubleshooting tips:

- **No Power:** Check if the power cable is securely connected to the TV, One Connect Box, and the power outlet. Ensure the outlet is functional.
- **No Picture/Sound:** Verify that the correct input source is selected. Check all cable connections between the TV, One Connect Box, and external devices.

- **Remote Control Not Working:** Check the remote's batteries. Ensure there are no obstructions between the remote and the TV.
- **Poor Picture Quality:** Adjust picture settings (brightness, contrast, sharpness). Ensure your content source is high quality. For 8K content, verify your source and cables support 8K.
- **Network Connection Issues:** Restart your router and modem. Reconnect the TV to your Wi-Fi network or try a wired Ethernet connection.
- **Voice Assistant Not Responding:** Ensure the voice assistant is enabled and properly registered. Check your internet connection.

For more detailed troubleshooting, consult the full e-Manual accessible through your TV's Smart Hub or visit the Samsung support website.

8. Specifications

Feature	Specification
Model Name	QN75QN900BFXZA
Screen Size	74.5 Inches (75-Inch Class)
Display Technology	Neo QLED (Mini-LED)
Resolution	8K
Refresh Rate	120 Hz
HDR Format Supported	HDR10, Quantum HDR 64X
Processor	Neural Quantum Processor 8K
Audio Technology	Dolby Atmos, Object Tracking Sound Pro (6.2.4 Channel, 90W)
Voice Assistants	Bixby, Amazon Alexa, Google Assistant Built-in
Operating System	Tizen
Connectivity	Bluetooth 5.2, Ethernet, HDMI (4 ports), USB (3 ports), Wi-Fi
Dimensions (W x H x D)	65.1" x 40.1" x 12.5" (with stand)
Item Weight	92.2 Pounds
Power Consumption	225 Watts
VESA Mount Standard	400 x 400 mm

9. Warranty and Support

Your Samsung QN900B Series TV comes with a**1 Year Manufacturer Warranty**. For warranty claims, technical support, or additional assistance, please contact Samsung Customer Service or visit the official Samsung support website. Keep your proof of purchase for warranty validation.
Samsung Support Website: www.samsung.com/us/support/

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